PROSTAGLANDINS LEUKOTRIENES AND ESSENTIAL FATTY ACIDS

Prostaglandins Leukotrienes and Essential Fatty Acids (1992) 47, 333–337
© Longman Group UK Ltd 1992

# Subject Index to Volume 47


## A

Adipose tissue, release and effects of prostaglandins in, 171
Airway
  alteration of platelet-activating factor metabolism in rat pulmonary alveolar macrophages by cigarette smoking, 123
  carbonate inhibition of leukotriene $D_4$ dipeptidase in human serum, 301
  effects of newly synthesized leukotriene antagonist NZ-107 on immediate-type hypersensitivity reactions in rats and guinea pigs, 41
  inspiratory timing regulation of prostaglandin $F_{2\alpha}$ in newborn pigs, 225
  some secondary plant metabolites in *Desmodium adscendens* and their effects on arachidonic acid metabolism, 85
Alcohol *see* Ethanol
Allergies *see* Hypersensitivity reactions
Amnion: effects of fetal calf serum on prostaglandin biosynthesis in cells derived from human gestational tissues, 77
Amniotic fluid embolism and leukotrienes: the role of amniotic fluid surfactant in leukotriene production, 117
Angiogenesis regulation by polypeptide growth factors, involvement of prostanoids in, 111
Antiprogesterone steroid, effects on prostaglandin E production by uteri of ovariectomized pregnant rats of, 59
Arachidonic acid
  biosynthesis in rat liver microsomes, effect of sodium loading on, 193
  and mechanism of gonadotropin secretion, 239
  metabolism in B16 murine melanoma cells, effect of ascorbic acid on, 307
  quantitative association between psychological stress and plasma proportions of linoleic acid and, 165
  release in PC12 phaeochromocytoma cells, inhibition by protein kinase C of, 215
Ascorbic acid *see* Vitamin C
Atherosclerosis
  influence of exogenous high density lipoprotein on development of serum hyperlipidaemia and progression of fatty streaks in cholesterol fed rabbits, 149
  influence of fish oil supplementation on plasma lipoproteins and arterial lipids in vervet monkeys with, 129

## B

Biliary tract: bradykinin not cholecystokinin stimulates exaggerated prostanoid release from inflamed rabbit gallbladder, 35
Blood pressure: magnesium effects on aortic prostacyclin production in DOCA-salt hypertensive rats, 183
Blood samples: effect of heat inactivation and freezing on fatty acid composition of plasma and red blood cells, 203
Bradykinin and not cholecystokinin stimulates exaggerated prostanoid release from the inflamed rabbit gallbladder, 35
Brain tissue injury and blood-brain barrier opening induced by injection of levuglandin $E_2$ or prostaglandin $E_2$, 105
Bronchoconstriction: effects of newly synthesized leukotriene antagonist NZ-107 on immediate-type hypersensitivity reactions in rats and guinea-pigs, 41

## C

Calcium (Ca)
  Ca-dependent phospholipase $A_2$ activity in the rabbit oviductal epithelium, 199
  Ca-dependent prostaglandin biosynthesis by lipopolysaccharide-stimulated rat Kupffer cells, 209
  effects of β-endorphin on spontaneous uterine contractions prostaglandins production and $^{45}Ca^{2+}$ uptake in uterine strips from ovariectomized rats, 29
  and effects of platelet-activating factor on the output of prostaglandins from the guinea-pig uterus, 285
  roles of progesterone and oxytocin in modulating $Ca^{2+}$ uptake by rat uteri and as controllers of arachidonic acid metabolism, 139
Cancer *see* Tumours/cancer
*Candida albicans*-induced kidney damage, role of eicosanoids in, 83
Carbonate inhibition of leukotriene $D_4$ dipeptidase in human serum, 301
Cholecystokinin, effect on prostanoid release from inflamed rabbit gallbladder of, 35
Cholesterol, influence of exogenous high density lipoprotein on development of serum hyperlipidaemia and progression of fatty streaks in rabbits fed a diet rich in, 149
Chorion: effects of fetal calf serum on prostaglandin biosynthesis in cells derived from human gestational tissues, 77
Colon carcinoma cell lines, human, effect of eicosapentaenoic acid gamma-linolenic acid and prostaglandin $E_1$ on, 313
Cyclic AMP and prostaglandin $E_2$ production by allogeneic and syngeneic pregnant mice uteri, 297
Cytokine(s)
  modulation of immune activation associated suppression of macrophage cyclooxygenase activity in vivo, 231
  modulation of prostacyclin production in vascular endothelial cells by, 93
  *see also* Interleukin(s)

## D

Decidual cells
  effect of endothelin-1 on phospholipid hydrolysis and prostaglandin $F_{2\alpha}$ production in, 321
  effects of fetal calf serum on prostaglandin biosynthesis in, 77
*Desmodium adscendens*, effects on arachidonic acid metabolism of some secondary plant metabolites in, 85
Diabetes: modifications of platelet phospholipid fatty acid composition

in streptozocin-induced diabetic rats, 17
Diet(ary)
fish oil supplementation, influence on plasma lipoproteins and arterial lipids in vervet monkeys with established atherosclerosis of, 129
influence of exogenous high density lipoprotein on development of serum hyperlipidaemia and progression of fatty streaks in cholesterol fed rabbits, 149
lipid modification and autoimmune disease: the role of membrane lipid composition in antigen presenting cells, 327
postprandial hyperlipaemia does not inhibit platelet aggregation, 331
sex and dietary fat modulate hepatic prostaglandin $F_{2\alpha}$ in F344/N rats, 143
α-tocopherol actetate, suppression of hepatic prostaglandin $F_{2\alpha}$ in rats by, 63
vitamin C and vitamin E, effects on prostaglandin synthesis by fibroblasts and squamous carcinoma cells of, 253
Dihomo-gamma-linolenic acid, effect of sodium loading on rat liver levels of, 193

## E

Eicosapentaenoic acid, effect on three human colon carcinoma cell lines of, 313
Embolism, amniotic fluid: and role of amniotic fluid surfactant in leukotriene production, 117
Endometrium: effect of guinea-pig conceptus and its secretions on prostaglandin output, 269, 279
β-Endorphin: effects on spontaneous uterine contractions prostaglandins production and $^{45}Ca^{2+}$ uptake in uterine strips from ovariectomized rats, 29
Endothelin-1 stimulates phospholipid hydrolysis and prostaglandin $F_{2\alpha}$ production in parimary human decidua cell cultures, 321
Ethanol injection: acute effects on in vitro rat uterine spontaneous motility prostaglandin production and triglyceride metabolism, 219

## F

Fat: release and effects of prostaglandins in adipose tissue, 17
Fatty acyl-coenzyme A esters, effects on prostaglandin synthesis in rabbit kidney medulla microsomes of, 265
Fetal calf serum, effects on prostaglandin biosynthesis in cells derived from human gestational tissues of, 77
Fibroblast(s), effect of vitamin C and vitamin E on prostaglandin synthesis by, 253
Fibroblast growth factors
involvement of prostanoids in the regulation of angiogenesis by, 11
modulation of prostacyclin production by cytokines in vascular endothelial cells, 93
Fish oil supplementation, influence on plasma lipoproteins and arterial lipids in vervet monkeys with established atherosclerosis of, 129
Freezing of plasma and red blood cells, effect on fatty acid composition of, 203

## G

Gallbladder, inflamed rabbit, effects of bradykinin and cholecystokinin on prostanoid release from, 35
Gamma-linolenic acid, effect on three human colon carcinoma cell lines of, 313
Gonadotropin secretion, role of arachidonic acid and lipoxygenase products in the mechanism of, 239
Growth factors *see* Polypeptide growth factors

## H

Heart
binding of a thromboxane $A_2$/prostaglandin $H_2$ receptor antagonist to rabbit and pig heart membrane protein, 153
interactions of prostanoids with platelet-activating factors in, 13
Heat inactivation of plasma and red blood cells, effect on fatty acid composition of, 203
Histamine: effects of newly synthesized leukotriene antagonist NZ-107 on immediate-type hypersensitivity reactions in rats and guinea-pigs, 41
Hydroxyeicosatetraenoic acid (HETE)
effect of 15-HETE on NZB/NZW F1 mouse nephritis and immune response, 159
effect of tert-butyl hydroperoxide on 12-HETE formation in rabbit platelets, 259
influence on N-phenyllinoleamide from toxic oil samples on production by mouse peritoneal macrophages of, 187
and mechanism of gonadotropin secretion, 239
12-Hydroxy-5,8,10-heptadecatrienoic acid formation in rabbit platelets, effect of tert-butyl hydroperoxide on, 259
Hyperlipidaemia, serum, influence of exogenous high density lipoprotein on development of, 149
Hypersensitivity reactions, immediate-type: anti-allergic action of newly synthesized leukotriene antagonist NZ-107 in rats and guinea-pigs, 41
Hypertension: magnesium effects on aortic prostacyclin generation in DOCA-salt hypertensive rats, 183

## I

Iloprost, effect in ischaemia reperfusion injury in rat liver of NDGA and, 291
Immune system
cytokine modulation of immune activation associated suppression of macrophage cyclooxygenase activity in vivo, 231
dietary lipid modification and autoimmune diseases: the role of membrane lipid composition in antigen presenting cells, 327
differential prostaglandin $E_2$ and cyclic AMP production by allogeneic and syngeneic pregnant mice uteri, 297
effect of newly synthesized leukotriene antagonist MCI-826 on immunological liver injury and nephritis in mice, 51
effects of newly synthesized leukotriene antagonist NZ-107 on immediate-type hypersensitivity reactions in rats and guineapigs, 41
NZB/NZW F1 mouse nephritis and immune response are not changed by treatment with 15-HETE, 159
Inspiratory timing regulation of prostaglandin $F_{2\alpha}$ in newborn pigs, 225
Interleukin(s)
effect of endothelin-1 on phospholipid hydrolysis and prostaglandin $F_{2\alpha}$ production in primary human decidua cell cultures pretreated with IL-1β, 321
modulation of prostacyclin production by cytokines in vascular endothelial cells, 93
peritoneal macrophages from patients on continuous ambulatory peritoneal dialysis show a differential secretion of prostanoids and IL-1β, 23
Ischaemia
brain tissue injury and blood-brain barrier opening induced by injection of levuglandin $E_2$ or prostaglandin $E_2$, 105
effect of iloprost and NDGA in ischaemia reperfusion injury in rat liver, 291

## K

Kidney
effects of fatty acyl-coenzyme A esters on prostaglandin synthesis in rabbit medulla microsomes, 265
effects of newly synthesized leukotriene antagonist MCI-826 on immunological liver injury and nephritis in mice, 51
NZB/NZW F1 mouse nephritis and immune response are not changed by treatment with 15-HETE, 159
role of eicosanoids in damage induced by *Candida albicans*, 83
Kupffer cells, isolated rat, calcium-dependent prostaglandin biosynthesis in response to lipopolysaccharide stimulation by, 209

## L

Leukotriene $C_4$ ($LTC_4$)
and effect of newly synthesized leukotriene antagonist MCI-826 on immunological liver injury and nephritis in mice, 51

and effects of newly synthesized leukotriene antagonist NZ-107 on immediate-type hypersensitivity reactions in rats and guineapigs, 41
in kidneys of mice infected with *Candida albicans*, 83
and mechanism of gonadotropin secretion, 239
salivary, effect of cigarette smoking on, 101
Leukotriene $D_4$ ($LTD_4$)
and effect of newly synthesized leukotriene antagonist MCI-826 on immunological liver injury and nephritis in mice, 51
and effects of newly synthesized leukotriene antagonist NZ-107 on immediate-type hypersensitivity reactions in rats and guineapigs, 41
salivary, effect of cigarette smoking on, 101
Leukotriene $D_4$ dipeptidase, carbonate inhibition in human serum of, 301
Levuglandins (LGs): brain tissue injury and blood-brain barrier opening induced by injection of $LGE_2$ or prostaglandin $E_2$, 105
Linoleic acid
effect of sodium loading on rat liver levels of, 193
quantitative association between psychological stress and plasma proportions of arachidonic acid and, 165
Lipid peroxidation: and effect of tert-butyl hydroperoxide on cyclooxygenase and lipoxygenase metabolism of arachidonic acid in rabbit platelets, 259
Lipopolysaccharide-stimulated rat Kupffer cells, calcium-dependent prostaglandin biosynthesis by, 209
Lipoprotein(s)
influence of exogenous HDL on development of serum hyperlipidaemia and progression of fatty streaks in cholesterol fed rabbits, 149
influence of fish oil supplementation on plasma lipoproteins and arterial lipids in vervet monkeys with established atherosclerosis, 129
Liver
calcium-dependent prostaglandin biosynthesis by lipopolysaccharide-stimulated rat Kupffer cells, 209
effect in the rat of iloprost and NDGA in ischaemia reperfusion injury in, 291
effect of sodium loading on arachidonic acid biosynthesis in rat liver microsomes, 193
experimental injury to, effect of newly synthesized leukotriene antagonist MCI-826 on, 51
sex and dietary fat modulate hepatic prostaglandin $F_{2\alpha}$ in F344/N rats, 143
suppression of hepatic prostaglandin $F_{2\alpha}$ in rats by dietary α-tocopherol acetate is independent of total hepatic α-tocopherol, 63
Lung(s)
alteration of platelet-activating factor metabolism in rat pulmonary alveolar macrophages and plasma by cigarette smoking, 123
inspiratory timing regulation of prostaglandin $F_{2\alpha}$ in newborn pigs, 225

## M

Magnesium effects on aortic prostacyclin generation in DOCA-salt hypertensive rats, 183
MCI-826 (leukotriene antagonist), effect on immunological liver injury and nephritis in mice of, 51
Melanoma cells, B16 murine, effect of ascorbic acid on arachidonic acid and prostaglandin $E_2$ metabolism in, 307
Myocardium: interactions of prostanoids with the platelet-activating factors, 13

## N

NDGA (lipoxygenase inhibitor) and iloprost, effect in ischaemia reperfusion injury in rat liver of, 291
Nephritis *see under* Kidney
N-phenyllinoleamide from toxic oil samples, influence on lipoxygenase metabolism of exogenous arachidonic acid in mouse peritoneal macrophages of, 187
NZ-107 (leukotriene antagonist), effects on immediate-type hypersensitivity reactions in rats and guinea-pigs of, 41
NZB/NZW F1 mouse nephritis and immune response are not changed by treatment with 15-HETE, 159

## O

Oestrogen: and differential prostaglandin $E_2$ and cyclic AMP production by allogeneic and syngeneic pregnant mice uteri, 297
Opioids; effects of β-endorphin on spontaneous uterine contractions prostaglandins production and $^{45}Ca^{2+}$ uptake in uterine strips from ovariectomized rats, 29
Oviductal epithelium of rabbit, regional differences of phospholipase $A_2$ activity in, 199
Oxytocin: on the role of 'in vivo' progesterone and of the 'in vitro' presence of oxytocin in modulating $Ca^{2+}$ uptake by rat uteri and as controllers of arachidonic acid metabolism, 139

## P

Peritoneal macrophages
cytokine modulation of immune activation associated suppression of cyclooxygenase activity in vivo, 231
influence in mouse of N-phenyllinoleamide from toxic oil samples on the lipoxygenase metabolism of exogenous arachidonic acid by, 187
from patients on continuous ambulatory peritoneal dialysis, differential secretion of prostanoids and interleukin-1β by, 23
Phaeochromocytoma cells, protein kinase C inhibition of melittin-induced arachidonic acid release in, 215
Phenobarbital: and suppression of hepatic prostaglandin $F_{2\alpha}$ in rats by dietary α-tocopherol acetate, 63
β-Phenylethylamines in *Desmodium adscendens*, effects on arachidonic acid metabolism of, 85
Phospholipase $A_2$
protein kinase C inhibition of melittin-induced arachidonic acid release in PC12 phaeochromocytoma cells, 215
in rabbit oviductal epithelium, 199
Phospholipid hydrolysis in primary human decidua cell cultures, effect of endothelin-1 on, 321
Platelet(s)
cyclooxygenase and lipoxygenase metabolism of arachidonic acid, effect of tert-butyl hydroperoxide on, 259
hypothesis for the receptors of human blood platelet aggregation and its inhibition by structure-activity relationship, 69
modifications of platelet phospholipid fatty acid composition in streptozocin-induced diabetic rats, 17
postprandial hyperlipaemia does not inhibit platelet aggregation, 331
Platelet-activating factor (PAF)
alteration of PAF metabolism in rat pulmonary alveolar macrophages and plasma by cigarette smoking, 123
effects of PAF on the output of prostaglandins from the guinea-pig uterus, 285
interactions of prostanoids with, 13
Polypeptide growth factors
involvement of prostanoids in the regulation of angiogenesis by, 111
modulation of prostacyclin production by cytokines in vascular endothelial cells, 93
Pregnancy
amniotic fluid embolism and leukotrienes: the role of amniotic fluid surfactant in leukotriene production, 117
differential prostaglandin $E_2$ and cyclic AMP production by allogeneic and syngeneic pregnant mice uteri, 297
effects of fetal calf serum on prostaglandin biosynthesis in cells derived from human gestational tissues, 77
effects of guinea-pig conceptus and its secretions on endometrial prostaglandin output, 269, 279
endothelin-1 stimulates phospholipid hydrolysis and prostaglandin $F_{2\alpha}$ production in primary human decidua cell cultures, 321
Progesterone
and differential prostaglandin $E_2$ and cyclic AMP production by allogeneic and syngeneic pregnant mice uteri, 297
prostaglandin E production by uteri of ovariectomized pregnant rats receiving antiprogesterone steroid or in which progesterone has been withdrawn, 59
role of 'in vivo' injected progesterone and of the 'in vitro' presence of oxytocin in modulating $Ca^{2+}$ uptake by rat uteri and as controllers of arachidonic acid metabolism, 139
Prostacyclin *see* Prostaglandin $I_2$
Prostaglandin $D_2$ synthesis in rabbit kidney medulla microsomes,

effects of fatty acyl-coenzyme A esters on, 265
Prostaglandin E production by uteri of ovariectomized pregnant rats receiving antiprogesterone steroid or in which progesterone has been withdrawn, 59
Prostaglandin $E_1$, effect on three human colon carcinoma cell lines of, 313
Prostaglandin $E_2$ ($PGE_2$)
in adipose tissue, 171
bradykinin not cholecystokinin stimulates exaggerated $PGI_2$ and $PGE_2$ release from inflamed rabbit gallbladder, 35
brain tissue injury and blood-brain barrier opening induced by injection of levuglandin $E_2$ or, 105
calcium-dependent biosynthesis by lipopolysaccharide-stimulated rat Kupffer cells, 209
differential $PGE_2$ and cyclic AMP production by allogeneic and syngeneic pregnant mice uteri, 297
effect of ascorbic acid on arachidonic acid and $PGE_2$ metabolism in B16 murine melanoma cells, 307
effects of fatty acyl-coenzyme A esters on $PGE_2$ synthesis in rabbit kidney medulla microsomes, 265
effects of fetal calf serum on $PGE_2$ biosynthesis in cells derived from human gestational tissues, 77
effects of vitamin C and vitamin E on synthesis by fibroblasts and squamous carcinoma cells of, 253
in kidneys of mice infected with *Candida albicans*, 83
peritoneal macrophages from patients on continuous ambulatory peritoneal dialysis show a differential secretion of prostanoids $PGE_2$ and $PGI_2$ and interleukin-1β, 23
salivary, effect of cigarette smoking on, 101
uterine, effects of platelet-activating factor on, 285
6-keto-Prostaglandin $F_{1\alpha}$
calcium-dependent biosynthesis by lipopolysaccharide-stimulated rat Kupffer cells, 209
output from guinea-pig uterus, effects of platelet-activating factor on, 285
production by uteri of ovariectomized pregnant rats receiving antiprogesterone steroid or in which progesterone has been withdrawn, 59
Prostaglandin $F_{2\alpha}$ ($PGE_{2\alpha}$)
in adipose tissue, 171
effect of fatty acyl-coenzyme A esters on $PGF_{2\alpha}$ synthesis in rabbit kidney medulla microsomes, 265
endometrial, effect of guinea-pig conceptus and its secretions on, 269, 279
immunohistochemical localization of $PGF_{2\alpha}$ receptor in the mouse testis, 247
inspiratory timing regulation in newborn pigs of, 225
in primary human decidua cell cultures, effect of endothelin-1 on, 321
salivary, effect of cigarette smoking on, 101
sex and dietary fat modulate hepatic $PGF_{2\alpha}$ in F344/N rats, 143
suppression of hepatic $PGF_{2\alpha}$ in rats by dietary α-tocopherol acetate is independent of total hepatic α-tocopherol, 63
uterine, effects of 'in vivo' injected progesterone and of the 'in vitro' presence of oxytocin on, 139
uterine, effects of platelet-activating factor on, 285
uterine, in ovariectomized pregnant rats receiving antiprogesterone steroid or in which progesterone has been withdrawn, 59
Prostaglandin $H_2$: binding of a thromboxane $A_2$/$PGH_2$ receptor antagonist to rabbit and pig heart membrane protein, 153
Prostaglandin $I_2$ ($PGI_2$; prostacyclin)
in adipose tissue, 171
bradykinin and not cholecystokinin stimulates exaggerated $PGI_2$ and $PGE_2$ release from inflamed rabbit gallbladder, 35
magnesium effects on aortic prostacyclin generation in DOCA-salt hypertensive rats, 183
modulation of prostacyclin production by cytokines in vascular endothelial cells, 93
peritoneal macrophages from patients on continuous ambulatory peritoneal dialysis show a differential secretion of $PGE_2$ and PGI2 and interleukin-1β, 23
platelet-activating factors and, 13
Prostaglandin $J_2$ and related compounds, biological activities and mechanisms of action of, 1
Protein kinase C inhibition of melittin-induced arachidonic acid release in PC12 phaeochromocytoma cells, 215

## R

Renal prostanoids *see under* Kidney
Respiratory tract *see* Airway; Lungs
RU38486 (antiprogesterone steroid), effects on prostaglandin E production by uteri of ovariectomized pregnant rats of, 59

## S

Salivary eicosanoids, effect of cigarette smoking on, 101
Saponins in *Desmodium adscendens*, effects on arachidonic acid metabolism of, 85
Sex and dietary fat modulate hepatic prostaglandin $F_{2\alpha}$ in F344/N rats, 143
Smoking, cigarette
alteration of platelet-activating factor metabolism in rat pulmonary alveolar macrophages and plasma by, 123
effect on human salivary eicosanoids of, 101
Sodium loading, effect on arachidonic acid biosynthesis in rat liver microsomes of, 193
Squamous carcinoma cells, effect of vitamin C and vitamin E on prostaglandin synthesis by, 253
Stress, psychological, quantitative association between altered plasma esterified omega-6 fatty acid proportions and, 165

## T

Tert-butyl hydroperoxide, effect on cyclooxygenase and lipoxygenase metabolism of arachidonic acid in rabbit platelets of, 259
Testis of mouse, immunohistochemical localization of $PGF_{2\alpha}$ receptor in, 247
Tetrahydroisoquinolines in *Desmodium adscendens*, effects on arachidonic acid metabolism of, 85
Thromboxane $A_2$ ($TXA_2$)
binding of a $TXA_2$/prostaglandin $H_2$ receptor antagonist to rabbit and pig heart membrane protein, 153
effect of platelet-activating factor on myocardial production of, 13
platelet: and modifications of platelet phospholipid fatty acid composition in streptozocin-induced diabetic rats, 17
Thromboxane $B_2$ ($TXB_2$)
calcium-dependent biosynthesis by lipopolysaccharide-stimulated rat Kupffer cells, 209
effect of tert-butyl hydroperoxide on formation in rabbit platelets of, 259
α-Tocopherol acetate, dietary, suppression of hepatic prostaglandin $F_{2\alpha}$ in rats by, 63
Toxic oil syndrome: influence of N-phenyllinoleamide on lipoxygenase metabolism of exogenous arachidonic acid in mouse peritoneal macrophages, 187
Tumours/cancer
effect of ascorbic acid on arachidonic acid and prostaglandin $E_2$ metabolism in B16 murine melanoma cells, 307
effects of eicosapentaenoic acid gamma-linolenic acid and prostaglandin $E_1$ on three human colon carcinoma cell lines, 313
effects of vitamin C and vitamin E on prostaglandin synthesis by fibroblasts and squamous carcinoma cells, 253
and modulation of hepatic prostaglandin $F_{2\alpha}$ by sex and dietary fat, 143
protein kinase C inhibition of melittin-induced arachidonic acid release in PC12 phaeochromocytoma cells, 215
and suppression of hepatic prostaglandin $F_{2\alpha}$ in rats by dietary α-tocopherol acetate, 63

## U

Uterus
acute effects of a single ethanol injection on in vitro rat uterine spontaneous motility prostaglandin production and triglyceride metabolism, 219
differential prostaglandin $E_2$ and cyclic AMP production by allogeneic and syngeneic pregnant mice uteri, 297

effects of β-endorphin on spontaneous uterine contractions prostaglandins production and $^{45}Ca^{2+}$ uptake in uterine strips from ovariectomized rats, 29
effects of guinea-pig conceptus and its secretions on endometrial prostaglandin output, 269, 279
effects of platelet-activating factor on output of prostaglandins from, 285
prostaglandin E production in ovariectomized pregnant rats receiving antiprogesterone steroid or in which progesterone has been withdrawn, 59
role of 'in vivo' injected progesterone and of the 'in vitro' presence of oxytocin in modulating $Ca^{2+}$ uptake by rat uterus and as controllers of arachidonic acid metabolism, 139
*see also* Decidual cells

V

Vascular system
effect of heat inactivation and freezing on fatty acid composition of plasma and red blood cells, 203
influence of exogenous high density lipoprotein on development of serum hyperlipidaemia and progression of fatty streaks in cholesterol fed rabbits, 149
influence of fish oil supplementation on plasma lipoproteins and arterial lipids in vervet monkeys with established atherosclerosis, 129
involvement of prostanoids in the regulation of angiogenesis by polypeptide growth factors, 111
magnesium effects on aortic prostacyclin generation in DOCA-salt hypertensive rats, 183
modulation of prostacyclin production by cytokines in endothelial cells, 93
*see also* Ischaemia
Vitamins
effect of ascorbic acid on arachidonic acid and prostaglandin $E_2$ metabolism in B16 murine melanoma cells, 307
effects on prostaglandin synthesis by fibroblasts and squamous carcinoma cells of vitamin C and vitamin E, 253

Z

ZK98299 (antiprogesterone steroid), effects on prostaglandin E production by uteri of ovariectomized pregnant rats of, 59

PROSTAGLANDINS LEUKOTRIENES
AND ESSENTIAL FATTY ACIDS

Prostaglandins Leukotrienes and Essential Fatty Acids (1992) 47, 339–340
© Longman Group UK Ltd 1992

# Author Index to Volume 47

**A**

Abdi-Dezfuli, F., 279
Addy, M. E., 85
Aguggini, G., 225
Aktan, A.Ö., 291
Alber, D., 183
Albertini, M., 225
Aldigier, J.C., 159
Antonov, I.V., 149

**B**

Barañao, R. I., 297
Bartula, L., 35
Bassi, D., 29
Beckerman, K.P., 231
Beitz, A., 149
Beitz, J., 149
Benadé, A. J. S., 129
Berthelot, A., 183
Bioque, G., 187
Bisovsky, S., 331
Bonta, I.L., 23
Borda, E. S., 297
Brown, V.L., 203
Bulbena, O., 187

**C**

Card, G.L., 301
Carter, W. J., 17
Chaud, M., 219
Chen, H.W., 63, 143
Clement, M.G., 225
Cook, J., 159
Cook, L. R., 63, 143

**D**

Dadson, J., 105
Dang, A.Q., 17
Delebassé, S., 159
Dimori, M., 225
Dosluoglu, H.H., 291
Dossou-Gbete, V., 153
Duitsman, P. K., 63, 143
Duncan, J. R., 307

**E**

Eberhardt, I., 239
Edwin, S. S., 77
ElAttar, T.M.A., 253
Ercan, S., 291

**F**

Faas, F.H., 17
Faletti, A., 29, 139
Fieren, M.W.J.A., 23
Fincham, J. E., 129
Fitscha, P., 331
Fournel, S., 313
Franchi, A.M., 139
Fujimoto, Y., 259, 265
Fujita, T., 259, 265
Fukushima, M., 1

**G**

Gelpí, E., 187
Gießler, C., 13
Gimeno, A.L., 29, 139, 219
Gimeno, M.A.F., 29, 139, 219
Glaser, R., 165
Gómez, G., 187
Gonzalez, E.T., 219
Gualde, N., 159
Guibert, F., 159

**H**

Hare, A., 321
Hendrich, S., 63, 143
Henry, J.C., 183
Hillhouse, J.T., 165
Horrocks, L.A., 165

**I**

Ichimaru, T., 123
Ikenoue, T., 117
Iwama, T., 41
Iyer, R.S., 105

**J**

Jaerbaum, A., 219
Jethmalani, S.M., 17
Juzan, M., 159

**K**

Kalley-Taylor, B., 35
Kawada, N., 209
Kiecolt-Glaser, J.K., 165

KIESEL, L., 239
KITAGAKI, K., 51
KOBAYASHI, K., 209
KODA, A., 41, 51
KOZAWA, O., 215
KRUGER, M., 129
KUŞTIMUR, S., 83

L

LASSERRE, B., 153
LAURANT, P., 183
LECKIE, C.M., 269
LEE, H.-C., 117
LI, Y., 301
LIM, C., 101
LIN, H.S., 253

M

MANICA, F., 111
MATSUNO, K., 259
MENGEAUD, V., 313
MENTZ, G., 13
MENTZ, P., 13
MEST, H.-J., 13, 149
MILLER, S., 301
MILLES, M., 101
MIMOUNI, V., 193
MISHARIN, A. Y., 149
MITCHELL, M.D., 77
MIURA, T., 41, 51
MIWA, M., 215
MIYAKAWA, I., 117
MIZOGUCHI, Y., 209
MONNA, T., 209
MORI, N., 117
MORISAWA, S., 209
MORISHITA, T., 199
MORSE-FISHER, N.L., 203
MOTTA, A., 139
MOUSSARD, C., 183
MURAKAMI, Y., 265
MYERS, S. I., 35

N

NAGAI, H., 41, 51
NAKAJIMA, T., 265
NAKAMURA, G., 199
NAKANO, H., 199
NANO, J.L., 313
NARCE, M., 193
NAVARRO-DELMASURE, C., 153
NEEDLEMAN, P., 231
NISHIDA, H., 259, 265
NORMAN, S.J., 285
NOZAKI, M., 199

O

O'GRADY, J., 331
OJIMA, M., 69
OKBOY, N., 291
ONG, P.Y., 327
ORLICKY, D.J., 247

P

PEPLOW, P.V., 59
PHAM HUU, A., 153
POISSON, J.P., 193
POYSER, N.L., 269, 279, 285

R

RAMPAL, P., 313
RICHELSEN, B., 171
RICHTER, H., 331
RISTIMAKI, A., 93
ROSELLÓ-CATAFAU, J., 187
RUMI, L.S., 297

S

SAKUMA, S., 259, 265
SALES, M.E., 297
SALOMON, R.G., 105
SANO, M., 199
SAV, A., 291
SCHALL, R., 129
SCHMIDLEY, J.W., 105
SCHREIBER, R.D., 231
SCHREY, M.P., 321
SHAY, J.C., 203
SHIMAZAWA, T., 51
SINZINGER, H., 331
SLOMIANY, A., 101
SLOMIANY, B.L., 101
SMUTS, C.M., 129
SPISNI, E., 111
STOLL, K.E., 307
SUDA, H., 41
SUMIYA, T., 259

T

TAI, H.H., 123
TAKAI, S., 259
TAKAMI, K., 265
TENENBAUM, A., 297
TOKUDA, H., 215
TOKUHIRO, T., 69
TOMASI, V., 111
TOUCHARD, G., 159

V

VAN DEN BEMD, G.J.C.M., 23
VAN DER MERWE, K.J., 129
VAN JAARSVELD, P.J., 129
VIINIKKA, L., 93

W

WANG, S.-L., 101
WILLIAMS, L.L., 165
WILLIAMS-SKIPP, C., 247
WRIGHT, B.E., 301
WU-WANG, C.Y., 101

Y

YALIN, R., 291
YAMAGUCHI., M., 117
YEGEN, C., 291
YOKOYAMA, M., 199